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ON THE DATES OF PUBLICATION OF ARADAS & MAGGIORE'S
«CATALOGO RAGIONATO...» AND ITS MALACOLOGICAL
IMPLICATION***

Summary

A bibliographical analysis of the «Catalogo ragionato...» by ARADAS and MAGGIORE is presented. The dates of the different «Memorias» are found to be different from the printed ones.

Nine new species of marine mollusca, described in this publication, are discussed and the priority of *Rissoa philippi* ARADAS & MAGGIORE, 1844 over *Rissoa dolium* NIST, 1845 is established.

Riassunto:

Gli autori analizzano bibliograficamente il «Catalogo ragionato» di ARADAS e MAGGIORE, pubblicato in sette «Memorie» negli *Atti della Accademia Gioenia* di Catania.

Contrariamente a quanto figura nei frontespizi delle Memorie le date di pubblicazione vengono fissate come segue: Memorie 1 e 2: 1840, Memorie 3 e 4: 1841, Memoria 5: 1842, Memorie 6 e 7: 1844.

Viene altresì stabilita la precedenza del II volume dell'«Enumeratio» di PHILIPPI (febb. 1844) sulle Memorie 6 e 7 di Aradas e Maggiore.

Viene, infine, rilevata la priorità di *Rissoa philippi* ARADAS & MAGGIORE, 1844 su *Rissoa dolium* Nyst, 1845.

The work by A. ARADAS and G. MAGGIORE, entitled «Catalogo ragionato delle conchiglie viventi e fossili di Sicilia esistenti nelle collezioni del dottore Andrea Aradas e dell'estinto abbate D. Emiliano Guttadauro», is of importance to marine malacologists because it contains the original descriptions of several new marine (Mediterranean) mollusca. A search for this rather rare work revealed that it was published in two different ways.

On the one hand publication was accomplished by parts, called «Memoria», seven of which appeared in the *Atti dell'Accademia Gioenia di Scienze Naturali di Catania* viz. the first and second in Tomo 15, the third in Tomo 16, the fourth and fifth in Tomo 17 and the sixth and seventh «Memoria» in Tomo 20. The years of publication of these parts are given as 1839, 1841, 1842 and 1843 respectively according to the title-pages.

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However it turned out that there existed also a separate copy, with pagination from 1 to 230, which as dated 1840 on the title-page.

In order to find out what the exact year of publication for each of the species of interest should be, we carried out some further research. It thus became apparent, that none of the years mentioned above could be regarded as the exact year of publication.

As far as the «*Atti*» are concerned apparently each volume, except volume 20, is split into two parts. The first part is devoted to works read between May, 16 and November, 16 whereas the second part contains works read between November, 17 and May, 15 of the next year. In view of the fact, that the text of *Memoria* 1 mentions a publication of March 1840 (by BIVONA), we conclude that the actual year of publication of *Memoria* 1 and 2 in «*Atti...*» volume 15(2) must be 1840. This is also the year on the title-page of the separate copy and is thus established as the starting year of publication.

Memoria 3 was read on July, 11, 1839 and is published in «*Atti...*», 16(1). There is no information available as to the correctness of the year 1841 on the title-page of this volume. More or less the same is true for *Memoria* 4 and 5, which appeared in the first and the second part of volume 17 respectively. The year 1843 is mentioned on the title page of this volume but this seems improbable as the year 1842 is mentioned on the title-pages of volumes 18 and 19. No information was found as to the exact year of publication of the «*Atti...*», vol. 17 but we fix it here as 1841 and 1842 for parts 1 and 2 respectively.

Volume 20 of the «*Atti*» in which the last two of the «*Memoria*» (6 and 7) appeared was not split into two parts and was presumably published as one volume. As *Memoria* 7 was read on Febr., 29, 1844 we can safely assume that the year 1843 on the title page of this volume is again incorrect and the correct year is here assumed to be 1844.

As to the separate copy we can state that a thorough analysis revealed that the text is identical. Even the typography and lettertype (volume 20 was printed by a different printer than volumes 15-17) are identical apart some slight rearrangements in view of the deletion of some redundant headings.

It is therefore concluded that the separate(s) were printed after the originals in the «*Atti*» and so the publication-dates of these should be used. Whether the separate was issued in parts (possibly in different years) or as one complete work we do not know. It is remarkable, however, that MONTEROSATO in his *Nomenclatura*, 1884, cites both *Bulla diaphana* (as of page 40) and *Rissoa testae* (as of pag. 207) from the separate, but mentions 1840 and 1844 respectively. The descriptions of these species in the «*Atti*» appeared exactly in these years too.

In conclusion:

MEMORIA	ATTI	SEPARATE	YEAR OF PUBLICATION
1	15(2):187-217	1-31	1840
2	15(2):349-366	32-47	1840
3	16(1):49-87	47-83	?1841
4	17(1):53-106	84-134	?1841
5	17(2):163-205	135-175	?1842
6	20 :101-142	176-214	1844
7	20 :343-360	215-230	1844

As the work under discussion is not easily available, we think it worthwhile to give the species of marine mollusca which are described as new, with citations also of the page number in the separate issue (denoted by S) together with some comments as to the present appreciation of the species.

In the discussion of the following species it is of importance to realize that some of the species were published by PHILIPPI in the second volume of his well-known book, by ARADAS & MAGGIORE in the *Atti*, vol. 20 and possibly also by FORBES in the *Repts. of the British Association for the Advancement of Science*. All these appeared in the same year viz. 1844. It is known, however, that PHILIPPI's work appeared in February of that year. We have no facts about the exact date of publication of the other works and so it must be assumed that both have been published later than PHILIPPI's work. Relative priority between ARADAS & MAGGIORE and FORBES will be very difficult to establish, but is not at issue here.

Bulla diaphana A. & M., 1840. *Atti* 15 (2): 359; S:40

A junior primary homonym of *Bulla diaphana* MONTAGU, 1803. This species is now known as *Weinkauffia turgidula* (FORBES, 1844).

Bulla laevis A. & M., 1840. *Atti* 15 (2): 362; S:43

According to PRIOLO (1968:745) this is a synonym of *Scaphander lignarius* (L. 1758).

Paludina benzi A. & M., 1844. *Atti* 20: 109; S:181

Known as *Rissoa benzi* (A. & M., 1844) for which see VERDUIN (1976:45).

Rissoa testae A. & M., 1844. *Atti* 20: 135; S:207

Known as *Alvania testae* (A. & M., 1844) for which see WARÉN (1980:23) and VAN AARTSEN (1983:5).

Rissoa galvagni A. & M., 1844. *Atti* 20: 136; S:208

To be considered as nomen dubium. See VERDUIN (1984:70).

Rissoa philippi A. & M., 1844. *Atti* 20: 136; S:208

Published as a new name for *Rissoa pusilla* PHILIPPI, 1836 not *Rissoa pusilla* (BROCCHI, 1814).

Although it is now recognized that *Turbo pusillus* BROCCHI, 1814 does not belong to *Rissoa* but apparently is a *Rissoina*, as is evident from the figure of the holotype as given by PINNA & SPEZIA (1978: pl. 55 fig. 3), Philippi's name is still a primary homonym of the earlier *Rissoa pusilla* GRATELOUP, 1828 (according to SHERBORN's Index Animalium).

Philippi himself (1844:127) also regarded his *R. pusilla* preoccupied by BROCCHI's species and renamed it *Rissoa nana*. The name *Rissoa nana*, however, is preoccupied by *Rissoa nana* (LAMARCK, 1810) a well-known eocene species from the Paris basin.

The present species is known, up to now, as *Rissoa dolium* NYST, usually cited from 1843. However, ANDERSON (1964:121) has clearly pointed out that NYST's work appeared in 1845, a fact already recorded by JEFFREYS (1870:77) but apparently forgotten. *Rissoa dolium* NYST, 1845 is thus a junior synonym and the species in question should be called *Rissoa philippi* ARADAS & MAGGIORE, 1844.

It should be noted that there is a *Rissoa pulchra* FORBES, 1844 which is sometimes, doubtfully, regarded to be identical with the present species, see e.g. JEFFREYS (1870:77). Realizing that Jeffreys, being a close friend of the then deceased Forbes already had great doubts about the identity, we think it best to regard *Rissoa pulchra* FORBES, 1844 as a nomen dubium, in any case not to be used for *R. philippi* ARADAS & MAGGIORE, 1844.

Rissoa mamoi A. & M., 1844. *Atti* 20: 137; S:209

Introduced as a new name for *Rissoa striata* PHILIPPI, 1836 not *Rissoa striata* QUOY & GAIMARD in D'URVILLE, 1833, it is a junior synonym of *Chrysallida suturalis* (PHILIPPI, 1844).

Rissoa mandralisci A. & M., 1844. *Atti* 20: 138; S:210

A synonym of *Pisinna glabrata* auctt. non MÜLF., 1829. If it should turn out that the name *P. glabrata* cannot be used for this well-known species, there is still *R. punctulum* PHILIPPI, 1836 which has priority over *P. mandralisci* (ARADAS & MAGGIORE, 1844).

Turritella philippi A. & M., 1844. *Atti* 20: 353; S:223

According to MONTEROSATO (1878:90) this is a synonym of *Acirsa subdecussata* (CANTRAINED, 1835).

Lastly, there is the new genus *Ortostelis* A. & M., 1844 erected in the «Atti» 20:117 [=S:189] for the species *Melania campanellae*, *M. scalaris*, *M. pallida* and *M. rufa*, all of PHILIPPI, 1836. The genus *Ortostelis* is synonymous with *Pyrgiscus* PHILIPPI, 1841, both having *Melania rufa* PHILIPPI, 1836 as their type.

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